

1928

TOP SECRET  
[REDACTED]  
Security Information  
SECURITY INFORMATION

CIA ID No. 70436  
Copy No. \_\_\_\_\_

48

CIA HISTORICAL REVIEW PROGRAM  
RELEASE AS SANITIZED  
ECONOMIC INTELLIGENCE REPORT 1998

THE ELECTRON TUBE INDUSTRY IN THE SOVIET BLOC

CIA/RR 7

ANNEX

CATALOGUE OF ELECTRON TUBES PRODUCED IN THE SOVIET BLOC

29 August 1952

WARNING

This material contains information affecting the national defense of the United States within the meaning of the espionage law, Title 18, USC, Secs. 793 and 794, the transmission or revelation of which in any manner to an unauthorized person is prohibited by law.

CENTRAL INTELLIGENCE AGENCY

Office of Research and Reports

TOP SECRET

~~SECRET~~  
~~Information~~

CONTENTS

	<u>Page</u>
Foreword . . . . .	1
I. USSR . . . . .	2
1. Receiving Tubes . . . . .	2
2. Transmitting and Special Tubes . . . . .	9
3. Cathode-ray Tubes . . . . .	17
II. European Satellites . . . . .	18
1. Receiving Tubes . . . . .	18
2. Transmitting and Special Tubes . . . . .	20
3. Cathode-ray Tubes . . . . .	21

NOTE ON CLASSIFICATION

The overall classification of this report  
is ~~TOP SECRET~~. Some pages, however, are of  
lower classification and are so designated.

CATALOGUE OF ELECTRON TUBES PRODUCED IN THE SOVIET BLOC

Foreword

The catalogue of electron tubes produced in the Soviet Bloc is divided into two geographic sections, one for the USSR and one for the Satellite countries. Each of the geographic sections is divided into three functional subsections: receiving tubes, transmitting and special tubes, and cathode-ray tubes. These subsections correspond to the three general categories of tubes. Small transmitting tubes are included under receiving tubes, since they are approximately the same size as receiving tubes and are made on the same sort of machinery, usually by mass production methods. Similarly, some types, such as klystrons, which are primarily receiving types but which are made by special methods are included under transmitting and special tubes. This latter category also includes large rectifiers, photoelectric tubes, gas discharge tubes, and any types not made by mass production methods.

In the Soviet section of the catalogue there are two designations for most of the tubes, since the numbering system has been revised. In the first column in the Soviet section the Cyrillic alphabet has been used throughout, since this is the alphabet in use in the revised numbering system. The alternative markings are principally US designations of the US tubes which the Soviets have copied.

Tubes included in the Soviet section are those which are made domestically in the USSR. An attempt has been made to omit those tubes which are used in the USSR but which are not produced there. In addition, those tubes which definitely are known to be in quantity production are marked in the first column with an asterisk (\*).

BLANK PAGE

TOP SECRET  
S... INFORMATION

1. Receiving Tubes (Continued)

Type	Alternative Markings	Remarks
231	CB154, SB154	d.h. tetrode, vari-mu
232	CB245	Tetrode
	SB245	d.h. diode triode
3EP1/1806	VT226	
3C1	TOL41	Amplifier triode
3C9	TOL42	Amplifier triode
3T1		Triode
3A8-GT	VT149	Pentagrid Conv.
3N1		Twin triode
3Q4	VT264	Triode
3Q5GT/G	VT221	Pentode
4C3	yB132, yB132 UB132	D.h. triode
4C4	UC186, US186 yO186, AD1, UO186	D.h. triode
	yC186, YC186	
4C5	CO118, 4H4C, AC2, SO118	I.h. triode
4S1	CB112, SB142	D.h. r.f. tetrode
4S2	CB147	D.h. tetrode
4S3	SO118, CO118, SO182 CO118, 4K5C, AF2, AF3	I.h. vari-mu tetrode
5BX1	BO25, BO255, BO530 5J4C, 5K1, 5K4C FZ1, 5Z4, 5Z4GT	Full wave hard rectifier
5BX2	5y3C, 5U4, 5U40, 5U4G	Full wave hard rectifier
5BX3	5Y3C, 5Y3G, 5Y3GT	American type Full wave hard rectifier Same as 5U4C according to T-32 5U4G " " " SH-32
5T4	VT114	Rectifier
5V3G		Rectifier
5V4G	VT206A	Rectifier
5W4	VT97	American type rectifier
5Z3	VT145	Rectifier
5Z4	VT74	
6A1B	6SA7	Pentagrid
6A5B	6J17, 6L17, 6H6	Pentode
6A6		Triode
6A8B	6A8, 6A8G, CO11, CK1, CK3, EK2, 6A7	Pentagrid
6A10	6SA7GF	Pentagrid
6A15	6SA7	Pentagrid
6A25	6X5P, 5AG5, 6AU6	Miniature television pentode
6A5		Pentode
6A6		Pentode
6686	668, 6B3, 6B3M, 6B3M, CBC1	Double diode pentode
6B7	VT63	
6BX1	6X5, 6X5G, 6X5C, 5Z1	Full wave hard rectifier
6D1		Triode hexode
6Д1Ж	9004	acorn diode
6Д1М	6K8, 6K8C	I.h. triode heptode
6Д2М		Triode hexode
6Д3	6K8	Triode hexode
6Д3П	6ПР-20	Television line scan
6Д11	ES111	generator (pentode)
6Д15	6П5	Television line scan generator

TOP SECRET

1. Receiving Tubes (Continued)

Type	Alternative Markings	Remarks
6E5	EFM1, VT215, UM4	Tuning indicator mixer
6E8		Mixer
6H1M	954, CP1, CF7	Acorn pentode
6H2M	1851, 6AC7	Television pentode
6H3M	1853, 6AB7	Television pentode
6H4B	6A7, 6AG7	High slope pentode
6K6M		Pentode
6K7B	6R7, 6J7	r.f. pentode
6K8	Z62D, Z62	r.f. pentode
6K11B	6SH7	Pentode
6K14B	1852, 6AC7	Pentode
6K17B	6SJ7	Pentode
6K1M	956	Acorn pentode
6K1P	9003	Miniature vari-mu pentode
6K2M		Acorn triode
6K5		Triode
6K7B	6K7, UF3, UF9, CF2, CF3	Pentode
6K9	6K9M, 6SK7-GT	r.f. pentode
6K12B	6SG7, 6K12B	r.f. pentode
6K15B	1853, 6AB7	Television pentode
6K17B	6SK7	r.f. pentode
6K19P	9003	Miniature r.f. pentode
6KC7	6F7	Triode pentode
6KV7		Secondary Emission Valve
6H1P	6H15, 6J6	Miristure twin triode
6H7	6H7C, 6W	Type twin triode
6H8	6H8M, 6SM7GT	Twin triode
6H9	6SI7, 6SL7GT	Twin triode
6H9M	Twin triode	
6H10	6SC7	Twin triode
6P1	6K6	Pentode
6P2	6V6, 6V6G, 6V6GT	Tetrode
6P3	6M6C, 6L6, 6L6G	
6P3B	6M6	
6P3M		I.h. output pentode
6P3C		Beam tetrode
6P4	6G6-G, 6U6C, 6U6G	Output pentode
6P4M		
6P6B	6J6, 6G6M, 6F6	Output pentode
6P6C		Output pentode, beam tetrode
6P7	6J6C	Output pentode
6P1B	6SR7	Double diode triode
6P3		Beam tetrode - See 6y6G
6P7	6R7, 6P7, 6Q7	Double diode, triode
6P8	6I7, 6Q7	Double diode
6P17B	6SQ7	Double diode
6PZ		Receiver valve
6C1M	955	Acorn triode
6C1P	9002	Miniature triode
6C2B	6C2, 6 5, 6J5	Triode
	6J5-GT	

## I. Receiving Tubes (Continued)

Type	Alternative Markings	Remarks
6C4B	6C5, 6P5, 6P5M	Triode
6C5B	6C5, 6C5M, CC2 VC1	Triode
6C6	6B4C, 6B4G, 6B4C	D.h. triode
6C8II	9002	Miniature triode
6CK7	6F7	Triode pentode
6J2M		Triode
6J4U6		Pentode
6J4y6		Secondary emission pentode
6X6B	6X6, 6X6G, 6X6M AB1, BB1, AB2, 6H6	Double diode
6A15		Twin diode
6AQ5		Twin diode
6AS7		Receiving tube
6C3G	VT163	Twin triode
6D6	VT69	Pentode
6F4		Acorn triode
6F8	VT99	Secondary emission pentode
6FU6		Type tuning indicator
6G5	6U5, VT98	American type grounded grid triode
6J4		Type pentode
6K6GT	VT152	Triode
6L5G	VT213A	Twin triode
6N6		Receiver valve
6PZ		d.d. triode
6ST7		Pentode
6Y6G	VT168A, 6P3	f.w. rectifier
6Z4	VT84	f.w. rectifier
6Z5		
6Z40		
10	VT25	Triode
12B1/M	12B1	d. diode pentode
12B2/M	12B2	d. diode pentode
12Д1		double tetrode
12Д1М		Tetrode hexode
12Ж1Л	RV-12P-2000	u.h.f. pentode
12Ж1М	12J1	I.h. pentode
12Ж17Б	12SJ7	Pentode
12К1	12K1M	Pentode
12К3		f. ch.
12К12Б	12SG7	Pentode
12К17Б	12SK7	Vari-mu pentode
12Л1М		Tetrode-hexode
12M1	12M1/M	(Twin pentode (triode pentode
12H1	12AH7, 12AH7GT	Twin triode
12H6	VT214	Twin diode
12H10	12SC7	Triode
12M1	12A6	(Beam tetrode (D.d. pentode

## 1. Receiving Tubes (Continued)

Type	Alternative Markings	Remarks
12A6	12A6	Beam tetrode
12P1B	12SR7	D.d. triode
12P17 B	12SQ 7	d.d. triode
1202	12J5	Triode
12C8	VT153	d.d. pentode
12KS		f.c.
12SA7		Type
12SF7		
12SL7GT		
13H1	13P1M, 13 1M	Beam tetrode
15A6		Pentode
15A6C		Output pentode
2102M		Vari-mu r.f. pentode
22	VT26	Tetrode
24	VT28	Tetrode
24A	VT28	Beam tetrode
25M1	25M1C, 25PIG, 25I6G	Pentode
25P1		Pentode
25L6	VT201	C.V. 944 (triode)
27	VT29	Triode
30	VT27	Single diode
30B11	30D1M, 30Z1	Full wave rectifier
30BX1	30I6C, 30Z6G, VY1, VY2, UY1, UY31, CY1, CY2, CY31, CY32	
30F1	30D1M, 30P1M	Beam tetrode
31	VT31	Triode
32	VT44	Tetrode
33	VT33	Pentode
34	VT54	Pentode
35	VT35	Tetrode
35W4		
36	VT36	tetrode
36A	VT36	Tetrode
37	VT37	Triode
37A	VT37A	Triode
38	VT38	Pentode
38A	VT38A	
39	VT49	
40	VT40	Triode
41	VT48	Pentode
45	VT45	Triode
46	VT63	Tetrode
47	VT47	Pentode
50	VT50	American type triode
75	VT75	American type d.d. triode
75C-5-30	VR75, VR75/30	Neon stabiliser
76	VT76	American type triode
80	VT83	American type f.w. rectifier
84	VT84	American type f.w. rectifier
89	VT89	American type
90C-10-40		Helium stabiliser

1. Receiving Tubes (Continued)

Type	Alternative Markings	Remarks
105C5-30	VR105, VR105/30	(Neon stabiliser (helium stabiliser
105C-5-30	VR150, VR150/30	Helium stabiliser
188		Full wave rectifier
957		Acorn triode
958	VT212	American type triode
959		Acorn pentode
9001		Pentode
9005		u.h.f. acorn diode
9006		u.h.f. diode
B2	1E5-9, 2	Barretter
B3	1E-10-17, B3, MC3	Barretter
KBC1		D. Diode triode
P5		D.h. triode
P6		Triode
P7		D.h. triode
P27		Output triode
P31		Output triode
CB1	CB1	Double diode
CB2	CB2	Double diode
CB4	CB4	X ray tube, industrial type
CG109		d.h. triode
CG142	CG142, SB142	Triode
CG143		Output triode
CG146		Output pentode
CG147	CG147, SB147	R.f. tetrode
CB151		R.f. tetrode, vari-mu
CB152		Triode
CB156		D. diode triode
CB190		Pentode
CB191		Pentagrid
CF194		Twin triode
CB219		Directly heated diode
CB240		L.F. triode
CB226		Neon stabiliser (stabilovolt 280/40)
CB227		Neon stabiliser (stabilovolt 280/80)
CP280-40		Stabilovolt
C02K2M		d.h. pentode
C044		D.h. tetrode
CC31		Tetrode
C090		Pentode
C095		Tetrode
C0142		Triode
C0144		Tetrode
C0183		Pentagrid
C0184		Diode triode
C0185	ABC1	d. diode triode
C0186		d.h. triode
C0187		Output pentode
C0193		D. diode pentode
C0194		(twin triode (D. diode triode d.h. triode
JT2		Line Scan output valve
JIC50		

SECRET

SECRET

SECRET

1. Receiving Tubes (Continued)

Type	Alternative Markings	Remarks
C0200		Output tetrode
C0242		Heptode or pentode
C0247		c.h. pentode
CT6		Double grid valve
CT19		D.h. triode
CT80		R.f. tetrode
CT83		D.h. triode
TO143		D.h. triode
yB111	YB111, UB111	D.h. triode
yB115	YB115, UB115	D.h. triode
yB147	YB147, UB147	D.h. triode
yB153	YB153, UB153	D.h. triode
yB155	YB155, UB155	D.h. tetrode
yB178	YB178, UB178	Pentode
yB179	YB179, UB179	D.h. triode
yB180	M45, YB180)	Output triode
	MC3, UB180 )	Power triode
yB182	YB182, UB182	Output triode
yr1		Output triode
yK30	YK30, UK30	Output triode
yO3	Y03, U03	Output triode
yO8	Y08, U08	D.h. tetrode
yO104	Y0104, U0104	D.h. output triode
yO107	Y0107, U0107	D.h. triode
yO178	Y0178, U0178	D.h. triode
yO201	Y0201, U0201	Output triode
yT12	YT12, UT12	Output triode
yT92	YT92, UT92	D.h. triode
D1D		Subminiature diode

2. Transmitting and Special Tubes

Type	Alternative Markings	Remarks
0.156ДК15		Therapeutic X Ray tube
0.3517-35		Barretter
0.3565-35		Barretter
06Д28		Subminiature
1B 1	1 1, 1Z1	Television line flyback rectifier
2A2M		Mercury rectifier
2B6		Mercury rectifier
2B12		Mercury rectifier
2B20		Mercury rectifier
2B30		Mercury rectifier
2B50		Full wave rectifier
2B100		Full wave rectifier
2BН4-3000		Mercury rectifier
2BН 6		Mercury rectifier
2BН6-10,000		Mercury rectifier
2BН 12		Mercury rectifier
2BН 20		Mercury rectifier
2C40	GL2C 40	Lighthouse triode 60cm
2C43	GL2C 43	Lighthouse triode S-band
2TM100		twin triode
2X1		Full wave rectifier
3B7/1291	VT182	Rectifier
3B12		Mercury rectifier
3B30		Mercury rectifier
3BН1-500		Mercury rectifier
3BН1+1.500		Mercury rectifier
3BН4-3000		Mercury rectifier
3BН-6-1500		Mercury rectifier
3BН6-8000		Mercury rectifier
3BН6-12000		Mercury rectifier
3BН6-15000		Mercury rectifier
3BН 12		Mercury rectifier
3BН 15-8000		Mercury rectifier
3BН-15-10,000		Mercury rectifier
3BН 30		Mercury rectifier
3BН 60		Mercury rectifier
3BН 100		Mercury rectifier
3BН 100-500		Mercury rectifier
3BН-250		Mercury rectifier
3BН-3000		Mercury rectifier
3BН-6000		Mercury rectifier
3J21		Q-Band packaged Cavity Magnetron
4J45		S-Band Cavity Magnetron-American type
4J50		X-Band packaged cavity
5F25		transmitting valve
204 <sub>a</sub>	VT22	triode
207	VT34	triode, 10,000 watts Plate diss.
211	VT4-B	triode
236		Rectifier
237		Rectifier
250TH		triode
250TL	VT130	triode
275/7		Experimental magnetron, 4.5mm, 100 watts
104TL	VT129	triode

~~SECRET~~  
2. Transmitting and Special Tubes (Continued)

Type	Alternative Markings	Remarks
307A/RK75	VT225	
316A	VT191	pentode
317A	VT166	triode
450	VT108	
531	VT141	
585	VT50	
586	VT50	
615	VT235	
705A/8021	VT255	American type H.w. rectifier
706Ay		American type S-band cavity magnetron
707A/B		American type S-band klystron
717		A.F. pentode (acorn)
717A	VT269	American type h.w. rectifier
725		X Band strapped magnetron
725A		Magnetron See 2011
726A		S Band klystron
730	2116	Magnetron
800	VT64	American type triode
801	VT62	American type triode
803	VT106	American type pentode
811		American type triode
812		American type triode
813	VT144	American type triode
815	VT287	American type twin pentode
816	VT216	American type h.w. rectifier
829		See 2026
829B		See 2026
832	VT118	American type twin pentode
832A	VT286	American type twin pentode
836	VT236	American type h.w. rectifier
837	VT101	American type pentode
841	VT51	American type
842	VT72	American type
843	VT73	American type triode
843	VT43	American type triode
85	VT60	American type
851	VT41	American type triode
860	VT17	American type tetrode
861	VT19	American type tetrode
864	VT24	American type triode
1204		Pentode
1208	VT169	American type
1613	VT175	American type pentode
2108	717A	Acorn pentode
БД190		X ray tube (diagnostic)
БД1900		X ray tube (diagnostic)
БД175		X ray tube (diagnostic)
БД185		X ray tube (diagnostic)
БК500		X ray tube (diagnostic)
БСВ3		Transmitter triode
БСВ4		X ray tube (radioscopy)
B-4-200	B-17 (K-5)	X ray tube (radioscopy)
B-4-201	B-128 (K 3-5)	Rectifier
B-8-800	B-27 (K-3/600)	Rectifier

## 2. Transmitting and Special Tubes (Continued)

Type	Alternative Markings	Remarks
ВГ1	ВГ161	Gas filled rectifier
ВГ1-5/5000		See 10
ВГ3	ВГ163	Gas filled rectifier
ВГ4	ВГ176	Gas filled rectifier
ВГ5	ВГ100/15000	Gas filled rectifier
ВГ6	ВГ236	Gas filled rectifier
ВГ7	ВГ237	Gas filled rectifier
ВГ8	ВГ25/500, НР-025/1500, 83	Gas filled rectifier
ВГ9	ВГ129, VG 129	Gas filled rectifier
ВГ10	ВГ1.5/15000	Gas filled rectifier
ВГ13		Gas filled rectifier
ВГ14		Half wave gas rectifier
ВГ126		Gas rectifier
ВГ30		Gas rectifier
ВГ131		Gas rectifier
ВГ167		Gas rectifier
ВГ222		Gas rectifier
ВГ251		Gas rectifier
ВГ252		Gas rectifier
ВГ431		Gas rectifier
ВД1(В1-201)	В1-201	Gas rectifier
ВД5(В27-800)	В27-800	Gas rectifier
ВД6		E.H.T. hard rectifier
ВД(В20/20)	В20/20	Rectifier
ВД(В8-800)	В8-800	Rectifier
ВД(В27-8000)	В27-8000	Rectifier
ВД(В27-801)		Rectifier
ВД190		X ray tube
ВДК100		X ray tube
ВДМ75		X ray tube
ВДМ85		X ray tube
ВМН-1		Neon indicator
ВО1		Half wave rectifier
ВО25		See 5BX1
ВО116	2B-400	P. w. d.h. rectifier
ВО122		P. W. rectifier
ВО125		P. W. d.h. rectifier
ВО169		H. W. rectifier
ВО183		d. h. double diode, oxide cath.
ВО188		See 4BX1
ВО196		Half wave rectifier
ВО197		Rectifier
ВО202	2B-150	P. W. rectifier
ВО220		P. W. rectifier
ВО230		See 4B 2
ВО239		See 4B 1 and 4BX2
ВПМ		Oil cooled X ray tube
ВСВ3		Water cooled X ray tube
ВСВ4		Water cooled X ray tube
ВТ1	ТР8/3000	Gas relay
ВТ5	ТР120/15000	Gas relay (mercury)
ВТ2	ТР15/3000	Gas relay (mercury)
ВТ14		H. W. rectifier
Р2-100		Transmitting triode
Р4-4		Triode
Р4-150		Triode
10	М4	Power triode (Svetlana)
32		Power triode
36		Power triode

2. Transmitting and Special Tubes (Continued)

Type	Alternative Markings	Remarks
Г37		Output triode
Г54		Oscillator (Svetlana)
Г62		Oscillator (Svetlana)
Г65		D.h. triode
Г68	Г1, Г9	Oscillator (Svetlana)
Г87	Г300	Power triode
Г88		Power triode
Г121		Transmitting triode
Г91		Power triode
Г149		Transmitting triode
Г256		Triode oscillator
Г403		Pentode transmitter
Г404		Pentode transmitter
Г406		Pentode transmitter
Г407		Pentode transmitter
Г408		Pentode transmitter
Г409		Pentode transmitter
Г410		Pentode transmitter
Г412		Triode oscillator
Г413		Pentode
Г414		Sec. 2
Г417		Pentode oscillator
Г418		Triode oscillator
Г419		Pentode oscillator
Г422		Pentode oscillator
Г424		Pentode oscillator
Г425		Pentode oscillator
Г430		Pentode oscillator
Г440		Pentode oscillator
Г440А		Pentode oscillator
Г441		Triode oscillator
Г464		Pentode oscillator
Г472		Pentode oscillator
Г499Н		v.h.f. triode gen. 200 mc/s
Г827		Triode oscillator
Г880		Triode oscillator
Г889		Tetrode
Г891		Triode oscillator
Д26		Triode oscillator
ГД50		891 triode
ГД100	Г-46, ГТ-10	Power triode
ГД200	Г-47, Г4250	Transmitting triode
	( Г49, 0 <sub>5</sub> 250	Transmitting triode
ГД400	( Г44	Transmitting triode
	( Г51, 0Т500	
	( Г36, Г56	
ГД1000	Г29, Г100	Transmitting triode
ГДЖ2	Г413	Triode oscillator
ГДЖ4	Г471	Pentode oscillator
ГД015	Г61, Г <sub>2</sub> -200	Triode oscillator
ГД030	( Г64, Г454	Triode oscillator
ГДЭ1	( Г5000, ГС3В	tetrode oscillator
ГИЗ100	ГКЭ100	Triode oscillator (pulsed)

## 2. Transmitting and Special Tubes (Continued)

Type	Alternative Markings	Remarks
ГК20	ГК 36	D.h. triode
ГК33		Transmitter triode
ГК300		Triode oscillator
ГК750		Triode oscillator
ГК920		Tetrode oscillator
ГК936		Triode
ГК8-150	С106	Tetrode
ГК8-300	С109	Triode
ГК8-500		Oscillator, tetrode
ГК8-1000	С103	Transmitter triode, tetrode
ГС4В	Г431, Г452	Water cooled triode
ГС4Д	Г431Р	triode oscillator
ГС5В	Г433	triode oscillator
ГС7	(ГК8000 (Г58, Г2300	triode oscillator
ГС18	(Г18, ГК010, Г450, (Г92, ГК2000	triode oscillator
ГУ150	КС4	Transmitter triode
ГУ40	Г411, КК 1	Pentode oscillator
ГУМ2	807, Г807, КК2	tetrode
ГУМ3	КК3, 1625, Г1625	Pentode
ГУ0-5	Г120	Transmitting triode
ГУС2	ГУ4, ГНВ4, КС2	Output triode
Д1П		S-Band diode
Д2		u.h.f. triode oscillator
Д5110		X ray tube
ДТ2		Directly heated triode
К1		Power triode
К2		Power triode or barretter
К3		Power triodes or barretter
К9		Power triode
К228		Ignitron
К30-3000		Ignitron
К233		Ignitron
К234		Ignitron
К30,000		Ignitron
К2150		H.v. rectifier
К27		H.v. rectifier
К3-5		H.v. rectifier
К3-80		H.v. rectifier
К3-150		H.v. rectifier
К5		H.v. rectifier
К9		Triode
К20		Power triode
КД		Rectifier
КМ Р827)	РЕЗНАТРОН	tetrode
КМ( П 6)		Pentode
КМ( П 15)		Pentode
КМ( П 50)		Pentode
КР110		Rectifier (Xray)
КР220		Rectifier (X ray)
КРМ110		Rectifier (X ray)
КС1		Triode
КС3		Triode
КС7		Triode

TOP SECRET

Security

## 2. Transmitting and Special Tubes (Continued)

Type	Alternative Markings	Remarks
KC( Г 256)		500 mc./s. triode
KC( Г 449Н)		Pulse valve
KC( Г 472)		Triode
KC( Г 499Н)		Triode
KC( Г 880)	880	American Type
KC( Г 889)	889	American Type
KC( ГМ 3100)		300 mc/s. triode
KC( ГН 300)		High power triode
KC( ГН 750)		high power triode
КСИ2 Д		Pulsed u.h.f. triode
КСII		H.w. rectifier
К72		L.F. triode
К91	Р829	Twin beam tetrode
К92	Р832	Twin beam tetrode
К93	Р813	Pentode
ЛП1		c.r. switch
ЛП704		c.r. switch
ЛП722		c.r. switch
М10		Modulator
М20		Modulator
М28		Power triode
М30/450	MC(M30/450)	Triode modulator
М39	Г5, М42, М84	Power triode
М41	MC(M41)	Triode modulator
М50		Triode modulator
М53	М250	High power triode
М57	М100	High power triode
М60		High power triode
М74		Microvalve
М80		Triode modulator
М89		High power triode
М150		Modulator
М400		Modulator
М401		Modulator
М451		Triode modulator
М470	(M419, (MC(M470)	Triode modulator
М800		
М1000		Triode modulator
М2000	MC(M1000)	Triode modulator
МДС		Triode transmitter
МИКРО		Tetrode
МИС		D.h. triode
МН3		Tetrode (twin grid)
МО10		Neon signal lamp
МО20		Modulator
МО119		Triode
СС1	М600	Triode (Triode modulator (also West European type
СС4		
СС5	М435	Triode modulator
Т1	М3000	Triode modulator
Т11		Directly heated triode
Т12		Thyratron
Т12		Thyratron
ТН-1		Neon lamp
120-60/60		Barretter
120-60/80		Barretter
125-75/200		Barretter
50-150/150		Barretter

TOP SECRET

## 2. Transmitting and Special Tubes (Continued)

Type	Alternative Markings	Remarks
H50-150/200		Barretter
H70-210/60		Barretter
H85-255/60		Barretter
H85-255/80		Barretter
H85-255/100		Barretter
H85-255/120		Barretter
H85-255/150		Barretter
H85-255/220		Barretter
H85-255/200		Barretter
H125-375/160		Barretter
H125-375/220		Barretter
H160-480/160		Barretter
H200-600/160		Barretter
H200-600/220		Barretter
HT2		Barretter
HT79		Neon tube
PI6		I.h. triode
PI7		Pentode
PI5		D.h. triode
PI9		Pentode
PI50		Triode
PI800		Pentode
PI6108	PIB108	Pentode oscillator
PI6110	PIB110	D.h. triode
PI9		D.h. triode
PIH2		Water cooled X ray tube
PI020		Neon signal lamp
PI023		Triode
PI074		Triode
PI0114		Triode
PI0119		Triode
PI72	PI71	Output triode
PI78		Triode
PI719		Triode
PI720		D.h. triode
PA350		Triode
PA460		Gas discharge tube
PI1	PB1	Gas discharge tube
PI2	PB2	Gasdischarge tube
PI108		Gas discharge tube
PI110		Triode
PI280	PB280	Triode
PI350	PB350	Gas discharge tube
PI430	PB430	Gas discharge tube
PI7100		Gas discharge tube
PI790		X ray tube water cooled
PI7K100		X ray tube air cooled
PI7C		X ray tube air cooled
PMHB		Triode
PMHB-500x6		Mercury vapour rectifier
PMHB-500x12		Mercury vapour rectifier
PMHB-1000		Mercury vapour rectifier
PH 1M		Mercury vapour rectifier
PT1	TP2050	Disc seal soft rhumbatron
		Thyatron tetrode

## APPENDIX A

## 2. Transmitting and special Tubes (Continued)

Type	Alternative Markings	Remarks
PT2	TP213	Thyratron
PT3	TP3 235	Thyratron
PT4	TP212	Thyratron
PT5	884, 885, TR884	Thyratron
PT6	TP1050	Thyratron
C1		West European barretter
C1X		West European barretter
C2		West European barretter
C3		West European barretter
C4		West European barretter
C6		West European barretter
C7		West European barretter
C8		West European barretter
C9		West European barretter
C10		West European barretter
C12		West European barretter
C94		Triode
C164		Power triode
C300		Triode
Си2		Bigrid electrometer tube
СК137		Transmitting tetrode
СК139		High power triode
СК158		D.h. output tetrode
СК164		Output tetrode
СМ1Д		Cm. pulsed magnetron forced air cooling
СТСТ6		Tetrode
СИВ-4		Photo element
СИВ-51		Photo element
СИГ-4		Photo element
СИГ-51		Photo element
Т		X ray tube
Т4		Triode
Т24		Pentode
ТР0-3		Inert gas relay
ТР160		Mercury gas relay
ТР162		Mercury gas relay
ТР205		Mercury gas relay
ТР215		Neon gas relay
ТР229		Mercury gas relay
ТР235		Mercury gas relay
ТД100		Transmitter triode H
ФН		Neon lamp for phototelegraphy
ЦГ-1		Photo element
ЦГ-2		photo element
ЦГ-3		photo element
ЦГ-4		photo element
ЦГ-5		photo element
ЦГЦ4		photo element
ЭМ1		Electrometer valve
ЭМ2		Electrometer valve
Г 800		Tetrode or pentode
ГД 200		Triode
ГДО 30		Long wave transmitter valve
ГКЕ100		Tetrode oscillator
ГКЕ 150		Possibly higher powered GKE 1, 0
ГКЕ 600		Triode
ГКО 10		R.f. transmitter

3. Cathode-ray Tubes

Type	Alternative Markings	Remarks
5Н01В	2АР1, Л0738	C.R. tube (electrostatic)
8Н01В		C.R.T., E.S. 8cm green screen
8Н02В	3ВР1	C.R.T., E.S.
8Н03В	3ОР1	C.R.T.
13Л01В	Л0-709	electrostatic 5" oscilloscope
13Л02В	5СР1	electrostatic 5" oscilloscope
13Л05П	5СР7	Electrostatic 5" oscilloscope
13Л06П	5FP7	electrostatic 5" oscilloscope
17ЛР6	ЛК-715	C.R.T.
17ИК1В	ЛК-726	C.R.T.
17ИК2	ЛК-715A	C.R.T.
18ИК1В	ЛК715	Kinescope 7"
18ИК2	ЛК715A	625-line Kinescope 7"
18ИК3	ЛК726	Kinescope 7"
18И01П	7ВР7	E.m. oscilloscope 7"
31Л01П	124Р7, 12DP7	E.m. oscilloscope 12"
905		Cathode ray tube 6"
ЛК703		Kinescope
ЛК707		Kinescope
ЛК708		Kinescope
ЛК718		Kinescope
Л0700		Kinescope
Л0701		Cathode ray oscilloscope
Л0702		Cathode ray oscilloscope
Л0705		Cathode ray oscilloscope
Л0706		Cathode ray oscilloscope
Л0710		Cathode ray oscilloscope
Л0711		Cathode ray oscilloscope
Л0712		Cathode ray oscilloscope
Л0713		Cathode ray oscilloscope
Л0714		Cathode ray oscilloscope
Л0716		Cathode ray oscilloscope
Л0717		Cathode ray oscilloscope
Л0719		Cathode ray oscilloscope
Л0720		Cathode ray oscilloscope
Л0721		Cathode ray oscilloscope
Л0729		Cathode ray tube 3"
Л0730		Cathode ray tube 3"
Л0736		Cathode ray tube 5"
Л0737		Green oscilloscope tube 5"
23ИК1В		CRT; 230 mm screen
30ИК1В		CRT; 300 mm screen

Part II: European Satellites

1. Receiving Tubes

Type	Remarks
A3 2	Duplex - Diode
AC 50	Triode
AD 1	Triode Power Amplifier
AF 2	RF Pentode
AF 7	RF Pentode Ampl.
AH 1	Hexode
AL 1	Pentode
AL 4	Pentode Power Amplifier
AL 5	Pentode Power Amplifier
AZ 1	Rectifier
AZ 2	Rectifier
AZ 3	Rectifier
AZ 11	Rectifier
CL 4	Pentode Power Amplifier
DDD-25	Twin Triode Power Amplifier
E 22a	Twin Triode Power Amplifier
EBL 1	Duplex diode, pentode power amplifier
EBL 21	Duplex diode, power amplifier
EC 50	Gas triode
ECH 4	Triode Heptode converter
ECH 11	Triode Hexode Converter
ECH 21	Triode Heptode converter
ECL 11	Triode Tetrode Beam Power Amplifier
EF 6	RF Pentode Amplifier
EF 8	RF Hexode Amplifier
EF 9	RF Pentode Amplifier
EF 11	RF pentode amplifier
EF 12	RF pentode amplifier
EF 13	Low noise RF pentode Amplifier
EF 14	Pentode Amplifier
EF 22	RF pentode amplifier
EL 12	Pentode power amplifier
EM 11	Electron ray indicator
ETV 70/6	Stabilizer
ETV 100/40z	Stabilizer
LD 1	UHF triode power amplifier
LD 2	UHF Triode power amplifier
LG 7	UHF Duplex diode
LG 10	Full wave rectifier
LG 16	UHF single diode
LG 71	
LG 75	
LG 76	
LG 79	Pentode
LG 80	
LS 50	Pentode power amplifier (also called P50)
LV 3	Pentode
LV 4	Twin pentode power amplifier
LV 21	Pentode
N 70/1.5	Thyatron
N 70/6	Thyatron
N 110/10	Thyatron
N 110/20	Thyatron
N 110/40	Thyatron
N 190/6	Thyatron
N 190/10	Thyatron
N 190/20	Thyatron
N 190/40	Thyatron
N 280/3	Thyatron
N 280/10	Thyatron
N 350/20	Thyatron

1. Receiving Tubes (Continued)

Type	Remarks
RV2P800	RF pentode amplifier
RV 12 P2000	RF pentode amplifier
RV 12 P2001	RF pentode amplifier
RV 12 P-3000	Pentode amplifier
RV 12 P-4000	Pentode amplifier
S 1/0.21	Rectifier
S 1/11	Rectifier
S 1/61	Rectifier
S 5/11	Rectifier
S 5/6 i	Rectifier
S 5/20 i	Rectifier
S 7.5/0.5	Rectifier
S 15/5d	Rectifier
S 15/401	Rectifier
S 15/1501	Rectifier
SKL 05	Rectifier
S 0.8/21	Thyratron
S 0.35/0.6	Thyratron
STV 70/6	Voltage regulator
STV 100/25	Voltage regulator
STV 100/40	Voltage regulator
STV 100/60	Voltage regulator
STV 150/20	Voltage regulator
STV 150/40	Voltage regulator
STV 280/40	Voltage regulator
STV 280/80	Voltage regulator
Te 5	Glowlamp
U 21	NOTE: Standard European "U" series
UBL 21	Duplex Diode pentode power amplifier
UCH 21	Triode Hexode converter
UF 21	RF pentode amplifier
UY IN	Half wave rectifier
UY 21	Half wave rectifier
V 120/80t0	Thyratron
V 120/8001	Thyratron
V 125/502p	Thyratron
V 150/1502p	Thyratron
V 150/1202p	Thyratron
V 230/502p	Thyratron
V 230/802p	Thyratron

## 2. Transmitting and Special Tubes

Type	Remarks
AG 1006	Rectifier
DE 1200/6	X-Ray
DEW 200/15	X-ray
DEW 200/30	X-Ray
G-75/0-6-d	Rectifier
G-10/4-d	Rectifier
G-10/61	Rectifier
G-20/5-d	Rectifier
HBO 107	Mercury Ultra-Violet source
HBO 200	Mercury Ultra-Violet source
HBO 500	Mercury Ultra-Violet source
HBO 510	Mercury Ultra-Violet source
HBO 1000	Mercury tube ultra-violet source
HBO 2000	Mercury Ultra-Violet source
HBO 2001	Mercury Ultra-Violet source
HBO 2011	Mercury Ultra-Violet source
HBO 5000	Mercury Ultra-Violet source
J1/3500/150	Rectifier
JR 260k	X-Ray
JR 60k	X-Ray
LD 6	Impulse Triode Metal Ceramic
LD 7	Impulse Triode Metal Ceramic
LD 9	Triode Metal Ceramic
LD 11	Triode Metal Ceramic
LD 12	Triode Metal Ceramic
LD 70	Triode Metal Ceramic
LD 90	Triode Metal Ceramic
LKV 2001a	Impulse
LKV 2095	Magnetron
P 35	Pentode Amplifier
	Pentode
HBS 34	Pentode Amplifier
RD 12 Pb	Pentode Amplifier
RLJP2	Pentode Amplifier
RL 12 F10	Pentode Amplifier
RL 12 V35	Pentode Amplifier
RS 207	Triode
RS 217	Triode 12000 w
RS 253	Triode 800 w
RS 254	Triode 12000 w
RS 255	Triode 12000 w
RS 260	Triode 12000 w
RS 261	Triode 12000 w
RS 329	Triode
RS 366	Triode 60,000 w
HS 384	Pentode 450 w
RS 557	Triode 25,000 w
RS 720	10 kw Transmitting
T3m	X-Ray
T3k	X-Ray
T 329	Impulse Triode
TS-41	X-Ray
WO 200/30	Zinc Spectralamp
ZHE 16	Impulse tube, Tetrode (US Type)
5D 21	Klystron (US Type) 3cm.
723	Klystron (US Type) 10cm
726	

3. Cathode-ray Tubes

<u>Type</u>	<u>Remarks</u>
LB 9a	Cathode Ray Tube
LKV 2068	Cathode Ray Tube
3DPI	Cathode Ray Tube (US Type)
5 FP 7	Cathode Ray Tube (US Type)